

## ABSTRACT

A mobile station includes a transmission data storage unit for temporarily storing at least one or more input packet data, a priority control unit for generating priority information which a base station uses for determination of a schedule in advance based on the priority of at least the one or more packet data, and a transmitting unit for transmitting the priority information to the base station. Therefore, to generate a schedule such as a transmission timing at which the base station communicates with each mobile station, the base station can know the priority of packet data stored in each mobile station in advance, and can recognize the existence of a mobile station which is trying to transmit packet data with a high priority to the base station at an early stage. As a result, the base station can assign a transmission timing etc. quickly to the mobile station.